



# Coding is not Everything A Software Student Does...

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At the offset what everyone thinks that a software background student does is coding coding and coding. But believe me we aren't just coders. We never just code, its just a part of the journey. We do a lot more things other than coding. To make it simple let me pull out what coding actually is. We obviously need a language to communicate with one another. Based on the regions of the world, we choose our mode of communication. Its quite the same case with electronic gadgets as well. They need their own language to communicate as well. Just tell them we aren't coders we are language builders and the bridge between human world and the electronic world. We often listen to people saying we are nothing if these so called core students aren't there. What will we do if they didn't build a system..What if they did not assemble a robot? I just wanted to ask them, What will they do with their fully built computer system or an assembled robot if there is no proper language to communicate and make them understand what it is exactly intended to do? So, believe me we are never low for being coders, mark them we are never low!! We build a fresh language. Moreover we teach all the core built systems their cause of creation.

We often hear statements like coding is easy!!LOL!! Not everything is easy and tough too. The perspective changes its complexity. As the era proceeds, the mindset starts changing for everything to be simple and fast. This probably can't work if software is not a part of it. Coding is just not the mix and match of English words with some special characters. It is possibly the way of turning complex into something simple and smooth. Let me remind you, the complexity starts with the builders themselves. A computer system is built in such a way that it can only understand 0's and 1's. Start thinking though English language is built with 26 letters it is sometimes hard to understand. Imagine how can a human brain understand language made only with 0's and 1's. So, we the coders started building languages that human find it easy and the machine can understand. Later on, fine tuning the languages and versing them error free, the bridge is made. Software is not only building languages. We guide the computer what to do and not, we act as

mediators converting the human given instructions/ requirements to computer's language so that computer can interact with the human. We are not just coders. So we are the converters of this complexity to simplicity.

Whole world want their works to be done easily and most importantly, none tolerates any minor glitches and are most of the time impatient when it is related to work with technology related gadgets. They start complaining over small things. On the other hand everyone say our job is easy and we do nothing but sitting idle all the time. We strive for hours and days to make it easy for you. But still I can't understand why so called coders are always taken easy. We build up a logical world for you and still you call us worthless!! Let's say we deal with a bank related application. The whole world wants all the related transactions and operations to be done within seconds without any glitches and no interruptions just by sitting at home. This is all the freedom that we provide to you just by our so called worthless jobs. We build the interfaces between users and the bank officials so that it becomes effortless for users as well as banks. We take care of everything...Literally everything!! We take care of your crucial information from exposing to the world, we keep your money safe and notify you even if a single paisa move out of your account. Remember its just one of our works, we do a lot more as such.

I remember a quote by Steve Jobs - *"Everyone in this country should learn how to program because it teaches you how to think"*. I feel this one quote answers many of today's questions and comments. We don't simply sit and type statements. We do it to achieve a purpose and most importantly we think to draw out some inferences before we actually start our work. Our brains visualize things that do not actually exist and try to bring them to reality through our coding. Seriously, coding brings out the critical and logical thinking capabilities of a person. We build up many systems before we actually produce to the world.

We know computers and smartphones outrun the working of many electronic gadgets today. Everyone say it is good

that all other applications are handy if one smartphone is in our hands but, no one ever understands the struggle and hardwork behind this. We build up all these application softwares and integrate into a single system to make it easy for you without even a single bug and you still pull us back! We strive for your security, convenience, and a lot more. We do all of it for you and you still don't recognize us..What a pity... We learn all the brand new technologies just to make your life easy and to provide you a smooth experience even then you call us worthless...

Not to forget, the transition through electronic world is a collective work. All the domains go hand in hand. Nothing is deprived of appreciation. We are not less than anyone. We do have our own recognition and importance. People from software background has nothing to do if there are no systems to work with. Similarly, building systems won't do if there is proper software defined. So nothing is easier or tougher. Reminding back it's the perspective that defines everything. Probably, the only difference it can make is that we work with logical world building things logically without much physical stress while others work physically. Believe me sometimes even we drain out but mentally. You manage tangible things but we produce intangible world. Despite of all these work we are called easy or sometimes lazy workers. Let me tell you coding isn't that easy as you think. May be joining cables, or parts or mixing concrete at most precision is your work, but at least making the computer manufactured by you wish you a simple "hello" needs the utmost precision, we can't miss a single ';'. We do have things to do.

Finally, to answer the statement Coding is an easy job... Its not our job easy we make your life easy. For you its simple to send a message through a phone, but transmitting that simple message safely involves a thousand lines of struggle. That easy our job is. Though we work logically,

we do not compromise your safety, your information security not even at a single point. That dedicated our job is. Again the fun fact is most of those that mock at us for being only coders end up trying for a so called software job at the end!!!LOL!!. Reconsider again no one is deprived of what they do. Whether it is a software job or a core one, we all see success only when united and work together. We, the so called CODERS are always proud of our job, we do it for you..

To know more on coding practices and technologies you can refer,

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### About the Author



**Motupalli Vijaya Sai Priyanka** from Bhimavaram, A.P. She completed her Bachelors in Informtion Technology department from JNTUK-UCEV Vizianagaram. She 8.89 CGPA during my college. She got placed in companies like Larsen & Toubro and few others. She selected L&T and currently working in Storage& Backup domain as Graduate Engineer Trainee for Data Center Business, L&T Ltd. She is good at skills like C, C++, Python, DBMS,SQL etc..